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A.D. 1905

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Complete Specification Left, 29th July, 1905—Accepted, 14th Sept., 1905

PROVISIONAL SPECIFICATION.

An Improved Cue for Billiards and similar Games

I, FREDERICK JOHN WILLIAMS, carrying on business as F. T. Williams & Co. of No 10 Great Queen Street, Holborn, in the County of London, Fishing Tackle Manufacturer, do hereby declare the nature of this invention to be as follows:—

This invention relates to an improved cue for billiards and similar games constructed of three, six or more parts of bamboo or other cane combined with harder wood. Such a combination greatly strengthens and stiffens the cue and enables greater uniformity of thrust to be exerted on each side of the cue, thus rendering the stroke or drive to be more exactly in the line of the axis of the cue. The composite construction also gives more resiliency and life. Such a combination also prevents a cue so constructed from warping or otherwise deteriorating.

The joints of the several parts which compose the cue extend along the whole length of the cue or nearly so, the parts being united by glue or other suitable cement.

Alternatively the pieces of cane and other wood may be built around a core of metal or other substance, the outside surface of which may be round square, triangular or otherwise shaped.

Dated this 30th day of January 1905.

FREDERICK JOHN WILLIAMS.

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COMPLETE SPECIFICATION.

An Improved Cue for Billiards and similar Games.

I, FREDERICK JOHN WILLIAMS, carrying on business as F. T. Williams & Co. of No 10 Great Queen Street, Holborn, in the County of London, Fishing Tackle Manufacturer, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The object of this invention is to construct a cue for billiards and similar games, of great strength, and in such a manner that warping is prevented, and consists in constructing the cue from a combination of cane strips combined with hard wood, the whole being cemented together.

My invention will be clearly understood from the following description aided by the examples shown in the annexed sheet of drawings.

Figures 1 and 2 are end views of the handle and tip respectively. In these views there are three strips of bamboo or other cane A cemented together along the greatest portion of their length from their tip end, the handle end having hard wood strips B inserted between the cane strips A to strengthen same and assist in forming the enlarged handle portion, the whole being cemented together. Figures 3 and 4 are similar views to Figures 1 and 2, except each strip of cane A

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Williams's Improved Cue for Billiards and similar Games.

is divided in two or in other words six strips of cane A are employed and only three strips of hard wood B.

In Figures 5 and 6 the cue is composed of six strips of cane divided at the handle part by six pieces of hard wood, the centre of the handle being provided with a wedge C to form the core.

In Figures 7 and 8 the construction is the same as that shown at Figures 5 and 6, but in this case the wedge C is in the form of a tapered rod or tube and extends from one end to the other end of the cue.

Figure 9 is an elevation of a complete cue.

As will be understood, each piece of cane is somewhat cone shaped to give the cue the proper shape, and the insertion of the hard wood at the handle end still further assists to enlarge that part, and at the same time strengthen it, but such hard wood may extend right through the cue if so desired.

Such a combination greatly strengthens and stiffens the cue and enables greater uniformity of thrust to be exerted on each side of the cue, thus rendering the stroke or drive to be more exactly in the line of the axis of the cue. The composite construction also gives more resiliency and life. Such a combination also prevents a cue so constructed from warping or otherwise deteriorating.

The joints of the several parts which compose the cue extend along the whole length of the cue or nearly so, the parts being united by glue or other suitable cement.

Alternatively the pieces of cane and other wood may be built around a core of metal as at Figures 7 and 8, or other substance, the outside surface of which may be round, square, triangular or otherwise shaped.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed I declare that what I claim is:—

The improved cue for billiards and like games, constructed from strips of bamboo or other cane and hard wood, cemented together, substantially as set forth.

Dated this 29th day of July 1905.

R. CORE GARDNER,
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Agent for the said:—Frederick John Williams.

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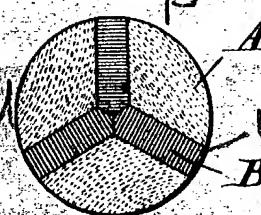
WILLIAMS' COMPLETE SPECIFICATION.

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Butt End

Fig. 1. Bamboo or cane



Hard wood

Fig. 2.

Fig. 3.

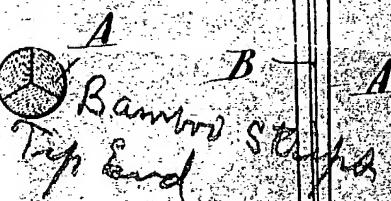


Fig. 4.

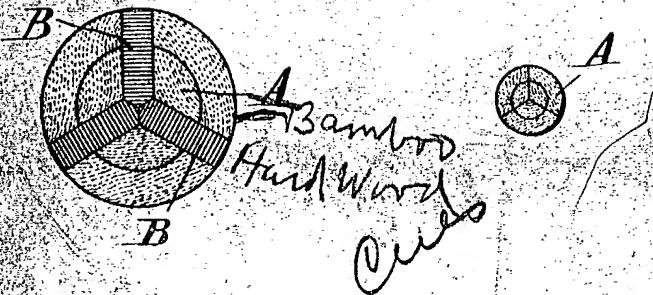


Fig. 5.

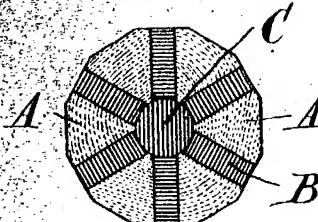


Fig. 6.

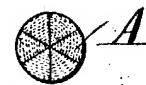
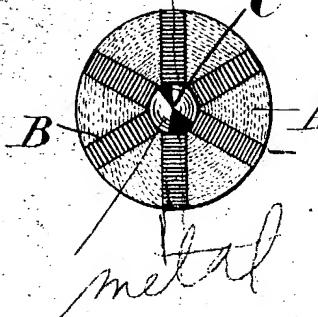


Fig. 7.



metal

Fig. 8.



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178. Drawing is a reduction of the original on reduced scale.

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